

T-BOAT PLAN REVIEW: COMPLIANCE CHECKLIST

This Checklist is to be used as a tickler. Although it should not be considered "all inclusive," it does provide a significant listing of the regulations T-Boat will be reviewed for compliance with. A working copy of this checklist should be kept in section one of the vessel's Six Part file folder.

The columns are used as follows:

- Column 1 Block for PlanRev Officer's initials, upon satisfaction of the requirement.
- Column 2 Date requirement satisfied.
- Column 3 Identifies which plan(s) the requirement should appear on (see Plans Key, below).
- Column 4 The CFR citation for the requirement.
- Column 5 A brief description of the requirement. For some items an additional checklist may be included in the description column.

Plans Key: MS - Mid-ship Section, OP - Outboard Profile, IP - Inboard Profile, D - Deck Arrangement, ENG - Machinery Installation, EL - Electrical Installation, FT - Full Tanks, P - Piping, HSP - Hull and Shell Penetrations

Vessel Name	_____	CG No.	_____
Owner/Operator	_____		
Address	_____		
City / State / Zip	_____		
Phone Nos?	(Day) _____	(Eve)	_____
Fax/E-Mail	(Fax) _____	(E-Mail)	_____

NOTES:

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Init.	Date	Plan	Cite	Description
General				
_____	_____		175.110	Vessel subject to Subchapter T or K regulations, Table 175.110(d).
_____	_____		175.122	Vessel $\geq 79'$ w/keel laid on/after 21JUL68, engaged in int'l voyage, are subj. to L/L assignment, certification and marking under Subch. E (See 46 CFR Subch. E and NVIC 1-88)
_____	_____	D	176.133	Approx. number of passengers permitted. Length of Rail: _____ Deck Area: _____ Fixed Seating: _____

Init.	Date	Plan	Cite	Description
Construction and Arrangement				
_____	_____		177.202	Appropriate plans submitted.
_____	_____	MS, IP	177.300	Construction meets recognized standards.
_____	_____	MS, IP	177.315	Vessels $\leq 65'$ and carrying NMT 12 passengers can have scantlings approved by OCMI.
_____	_____	IP	177.405(c)	Vapor boundary between machinery/fuel space and accommodations.
_____	_____	IP	177.405(g)	Mattresses meet 16CFR or IMO A.688(17)
_____	_____	ENG, D	177.405(b)	Internal combustion engine exhausts, boiler and galley uptakes, and similar sources of ignition shall be kept clear of and suitably insulated from any woodwork or other combustible matter.
_____	_____	D	177.405(d)	Paint and flammable liquid lockers and similar compartments constructed of steel or equivalent material.
_____	_____	MS, IP	177.405(b)	FRP construction with fire retardant resins and meet ASTM E-84 flame spread rating of not more than 100. See 410(c) for use of general purpose resin.
_____	_____	D	177.500	Two routes of escape from all general areas accessible to passengers, crew quarters, or regularly manned spaces. At least one route is independent of watertight doors.
_____	_____	D	177.500(h) & (i)	Doors, hatches or scuttles used as means of escape must be capable of being opened by one person from either side in both light and dark conditions. Door must open towards the direction of the escape.
_____	_____	D	177.600	All enclosed spaces within the vessel properly vented or ventilated. Power ventilation capable of being secured from pilot house.
_____	_____	D	177.700	Crew accommodation adequate when crew members are living on board vessel.
_____	_____	D	177.710	Overnight accommodations must be provided for all crew members if the vessel is operated for more than 12 hrs in a 24 hr period.
_____	_____	D	177.800	Passenger accommodations sat.
_____	_____	D	177.810	Overnight accommodations sat.

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Init.	Date	Plan	Cite	Description
Construction and Arrangement - continued				
_____	_____	D	177.820	Seating accommodations in passenger accommodations adequate.
_____	_____	OP	177.900	Deck rail height/spacing acceptable. Height of rails required _____.
_____	_____	D	177.1010	Window construction and visibility sat.
_____	_____		178.310	Stability test required?
_____	_____	OP	178.410-440	Vessel Hull Type <div style="display: flex; justify-content: space-between;"> <div> Flush Deck _____ Well Deck _____ Drainage Required _____ </div> <div> Cockpit _____ Open Boat _____ </div> </div>
_____	_____	OP, IP	178.510	Ballast stowed properly.
_____	_____	OP, IP	179.210	Collision bulkhead required? <div style="margin-left: 40px;"> > 65' _____ > 49 Passengers on Exposed Route _____ > 40' on Partially Protected Route _____ Wood Vessel in Cold Water _____ </div>
_____	_____	OP, IP	179.212	Watertight bulkheads for subdivision.
_____	_____	OP, IP	179.220	Watertight bulkheads location acceptable.
_____	_____	OP, IP	179.240	Foam flotation only on vsls <65' Collision bulkhead sat.
_____	_____	OP, IP	179.310	Collision bulkhead sat.
_____	_____	OP, IP	179.320	Watertight bulkhead construction adequate. Watertight bulkheads must be installed in one plane without steps, recesses, or penetrations.
_____	_____	OP, IP, P	179.330	Watertight doors sat.
_____	_____	OP	179.350	Openings inside the vessel below the bulkhead or weather deck sat. Through-hull penetrations not more than 6 inches above the load waterline (LWL) provided with positive action valve or cock as close as possible to the hull.
_____	_____	OP, D	179.360	Hatches acceptable. Deckhouse and companionway openings. <div style="margin-left: 40px;"> Coaming height required: <input type="checkbox"/> Yes / <input type="checkbox"/> No Coaming height provided: _____ </div>

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Init.	Date	Plan	Cite	Description
Lifesaving				
_____	_____	D	180.64	EPIRB - any route beyond 3 miles
_____	_____	D	180.70-210	Required primary lifesaving equipment
Init.	Date	Plan	Cite	Description
Firefighting Requirements				
_____	_____	ENG, P	181.300	Power driven fire pump adequate. Not required on vessels <65' carrying 49 passengers or less.
_____	_____	P	181. 310 & 320	Fire hydrants, piping, hoses and nozzles sat.
_____	_____	D, ENG, P	181.400	Required fixed fire extinguishing system. Machinery / Fuel Oil Tank Spaces _____ Paint / Oil / Hazardous Spaces _____ Cargo Space _____
_____	_____	D, ENG, P	181.400(b)	Type fixed fire extinguishing system: CO2 _____ Other _____ <div style="text-align: right;">(See NVIC 6-72)</div>
_____	_____		181.400(c)	Fire detection system sat.
_____	_____	D, ENG, P	181.520	Cylinder and controls adequate and in appropriate locations.
_____	_____	D, ENG, P	181.410(c)	Cylinders mounted appropriately.
_____	_____	D, ENG, P	181.410(f)(I) & (ii)	Amount of CO2 required.
_____	_____	D, ENG, P	181.410(f)	Controls for fixed fire extinguishing system adequate.
_____	_____	D, ENG, P	181.410(f)(iii)	Piping for fixed fire extinguishing system adequate.
_____	_____	D, ENG, P	181.410(f)(v) & (vi)	Discharge outlets of approved type and of sufficient total area. Required Area: _____ Provided: _____
_____	_____	D, ENG, P	181.500	Portable extinguishers provided IAW table 181.500(a).

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Init.	Date	Plan	Cite	Description
Machinery Requirements				
_____	_____	ENG	182.200	Main propulsion machinery suitable for vessel, service and route.
_____	_____	ENG	182.200(b)	Machinery and boilers for steam, outboard motors, air screws, hydraulic jets and electrically propelled vessels meet requirements of Subchapter F (Marine Engineering) and Subchapter J (Electrical Engineering).
_____	_____	ENG	182.310(a)	Aux. machinery of the internal combustion type sat.
_____	_____	ENG	182.310(b)	Auxiliary machinery of steam and gas turbine type meet requirements of Subchapter F.
_____	_____	ENG	182.320	Waterheater must meet. part 53 and 63 if rated more than 250 degrees F (unless meets exception).
_____	_____	D, ENG	182.330	Unfired pressure vessels meet requirements of Subchapter F.
_____	_____	ENG	182.200(b)	Two means of engine shutdowns provided.
_____	_____	ENG	182.410(a)	Spark producing devices mounted high above bilges as possible.
_____	_____	ENG	182.410(b)	Required gauges mounted in a location so as to be in view of the operator.
_____	_____	ENG	182.422	Keel and grid cooler designed with shutoff to prevent flooding.
_____	_____	ENG	182.425	Engine exhaust cooling - type: _____
_____	_____	ENG	182.430	Engine exhaust pipe properly installed.
_____	_____	FT	182.435 & 440	Fuel Tank: <input type="checkbox"/> Integral or <input type="checkbox"/> Independent Capacity: _____ Material _____ Req 'd Thickness: _____
_____	_____	FT	182.440(a)	Baffle openings and location sat.
_____	_____	FT	182.440(b)	Fuel tank location, supports and ground sat.
_____	_____	FT	182.440(c)	Fuel tank tests required prior to and after installation.
_____	_____	FT, P	182.445	Fuel fill and sounding pipes sat.
_____	_____	FT, P	182.450	Fuel vent pipes connected to thee highest point of the tank and of adequate size.
_____	_____	FT, P	182.455	Fuel piping material: _____ Connections and strainer sat.
_____	_____	ENG, FT	182.455	Fuel supply piping suitably installed.
_____	_____	ENG, FT, P	182.455(b)	Fuel supply piping provided with proper shut-off valves.
_____	_____	ENG, IP	182.460	Ventilation for gasoline machinery and spaces with gasoline fuel tanks sat. 2 natural vents, mechanical venting.
_____	_____	ENG, FT	182.460(e)	Exhaust blower switch interlock to ignition with red warning sign. (gasoline only).
_____	_____	ENG, IP	182.4650	Ventilation for diesel machinery and spaces with diesel fuel tanks sat. 2 natural vents.

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Init.	Date	Plan	Cite	Description
Bilge and Ballast Requirements				
_____	_____	P	182.500	Must have means of draining any watertight compartment.
_____	_____	P	182.510	Vessels 26 feet or longer provided with individual bilge lines and bilge suctions for each watertight compartment.
_____	_____	P	182.510(b)	Bilge piping system adequate: Size of Bilge Pipe: _____ Material: _____ Size of Strainer Opening: _____
_____	_____	MS, IP	182.510(d)	Collision bulkhead penetration satisfactory.
_____	_____	P	182.520	Bilge pumps provided IAW Table 182.520(a) are acceptable.
_____	_____	P	182.520(b)(i)	Power driven fire pump can substitute as fixed power bilge pump.
_____	_____	P	182.530	Vsl >26' must have a visible and audible bilge high level alarms.
_____	_____	P	180.540	Ballast systems meet requirements.

Init.	Date	Plan	Cite	Description
Steering Systems				
_____	_____	D, ENG	182.610	Main steering gear acceptable.
_____	_____	D, ENG	182.610(g)	> 65' - visual means to indicate operation of power units required.
_____	_____	D, ENG	182.620	Auxiliary steering apparatus, when required, acceptable.

Init.	Date	Plan	Cite	Description
Piping Systems				
_____	_____	OP, IP, D	182.710	Piping for vital systems sat.
_____	_____	P	182.720	Nonmetallic piping acceptable and not prohibited for system.
_____	_____	P	182.720(c)	Through-hull fittings and shut-off valves metallic.

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Init.	Date	Plan	Cite	Description
Electrical Installation				
_____	_____	EL	183.130	Alternate compliance with 183.420 and ABYC.
_____	_____	EL	183.210	Protection provided from wet or corrosive environments.
_____	_____	EL	183.220	Circuit breakers acceptable. Mfr. : _____ Model: _____ Rating: _____
_____	_____	EL	183.220	Switches/fuses/sockets adequate for load. UL approved for marine use.
_____	_____	EL	183.310	Loads must be energized from two sources.
_____	_____	EL	183.320	Generators adequate for maximum load. Manufacturer: _____ Model: _____ Rating: _____ Ambient Temp. Design: _____
_____	_____	EL	183.320(c)	Voltmeter and ammeter provided for generator rated at 50 volts or more. Frequency meter for alternating current generator.
_____	_____	EL	183.320(f)	Generators protected from overcurrent by circuit breakers, fuses or by an overcurrent relay.
_____	_____	EL	183.324	Dual voltage generator installation sat.
_____	_____	EL	183.330	Switchboards of adequate construction and properly sized.
_____	_____	EL	183.350	Battery installation and venting sat.
_____	_____	EL	183.350(c)	Storage battery lead connection sat.
_____	_____	EL	183.352	Batteries acceptable. <input type="checkbox"/> Yes / <input type="checkbox"/> No Type: _____ Voltage: _____ Rating: _____
_____	_____	EL	183.352	Battery charger acceptable. <input type="checkbox"/> Yes / <input type="checkbox"/> No Model: _____ Capacity: _____ Mfr. : _____
_____	_____	EL	183.360	Semiconductor rectifier system sat.
_____	_____	EL	183.370 & 372	General grounding requirements met.
_____	_____	EL	183. 340	Wiring sizes adequate.
_____	_____	EL	183. 340(p)	All conductors are of stranded type, 14 AWG or larger.
_____	_____	EL	183.340(p)	All conductors of sufficient size to allow for no more than-10 percent —voltage drop.
_____	_____	EL	183.340	Conductor insulation and sheathing acceptable.
_____	_____	EL	183.380	Conductors protected by suitable overcurrent protected devices.
_____	_____	EL	183.380	Conductors supplying motors protected (h) (2) by overcurrent protection devices meet 111.70-1.
_____	_____	EL	183.410	Lights/receptacles/switches exposed to weather are watertight and corrosion resistant.
_____	_____	EL	183.420	Navigation lights in compliance with NavRules.
_____	_____	EL	183.432	Automatic emergency lighting provided.

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Init.	Date	Plan	Cite	Description
Miscellaneous Systems and Equipment				
_____	_____	IP	184.200	Cooking and heating equipment suitable for marine use.
_____	_____	OP	184.300	Ground tackle and mooring gear adequate.
_____	_____	IP	184.402	Magnetic compass provided.
_____	_____	IP	184.404	Radar for vessels with more than 49 passengers on Oceans, Coastwise, or Limited Coastwise routes.
_____	_____	IP	184.410	Electronic position fixing device for vessels with Oceans route.
_____	_____	IP	184.602	Internal Communication system sat.
_____	_____	IP	184.610	Public address system sat.
_____	_____	ENG	184.620	Propulsion engines have 2 independent means of controls for each installation.
_____	_____	D, P	184.704	MSD must comply with 33CFR159.